

Material Safety Data Sheet

Common Name	hemical Product and Company Identification :: Varathane® Liquid Plastic Exterior Wood Finish®	Code	Liquid Plastic Exterior Wood Finish® Products	
Supplier	The Flecto Company, Inc.	MSDS#	June 1998	
• •	1000 45th Street Oakland, California 94608	TSCA Inventory	All raw materials are listed.	
Synonym		Validation Date	6/16/98	
<u> </u>	92-03, 93-03 VOC <450 g/l (3.8 lbs/gal)	Print Date	7/24/98	
Trade name	Varathane® Liquid Plastic Exterior Wood Finish®			
Material Uses	Use on boats, patio furniture, exteroir doors, etc.	Emergency phone: 800-255-3924		
Manufacturer	The Flecto Company, Inc. 1000 45th Street Oakland, California 94608		Information Call: 635-3288	

Section 2: Composition Name	CAS#	% by Weight	TLV/PEL	LC ₅₀ /LD ₅₀
Mineral Spirits	064742478	<27.0	TWA: 100 (ppm)	Not available.
Light aromatic solvent naphtha (petroleum)	064742956	<10.0	TWA: 50 (ppm) from OSHA	Not available.
Xylene	001330207	<1.0	TWA: 100 CEIL: 150 (ppm) TWA: 435 CEIL: 655 (mg/m²)	ORAL (LD50): Acute: 4300 mg/kg [Rat]. 6100 mg/kg [Rat].
Primary amyl alcohol	000071410	<5.0	Not available.	Not available.
Methyl ethyl ketoxime	000096297	<0.5	Not available.	Not available.
Trimethyl Benzene	000095636	<0.3	TWA: 25 CEIL: 35 (ppm) TWA: 125 CEIL: 170 (mg/m³)	Not available.
Ethylbenzene	000100414	<2.0	TWA: 100 CEIL: 125 (ppm) TWA: 435 CEIL: 545 (mg/m³)	ORAL (LD50): Acute: 3500 mg/kg [Rat]. DERMAL (LD50): Acute: 5000 mg/kg [Rabbit].

Emergency Overview	Is Identification May cause eye imitation. May cause skin irritation. May be harmful or fatal if swallowed.
Potential Acute Health Effects	Hazardous in case of eye contact (irritant), of Ingestion, of Inhalation. Slightly hazardous in case of skin contact (irritant).
Potential Chronic Health Effects	Non-sensitizer for skin. Non-permeator by skin. CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available.
Target Organs:	Not available.
Routes of Entry	Eye contact. Inhalation, Ingestion.
Medical Conditions Aggravated by Overexposure:	There is no known effect from chronic exposure to this product. Repeated or prolonged exposure is not known to aggravate medical condition.
Sigus and Symptoms of Overexposure:	Not available.

Continued on Nextrage this sea was come to the community of the season of the community of

_		
	Varathane® Liquid Plastic Exterior	
	Wood Finish®	

Eye Contact	Check for and remove any contact lenses. IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. COLD water may be used. DO NOT use an eye ointment. Seek medical attention.		
Skin Contact	Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. COLD water may be used. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.		
Hazardous Skin Contact	Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.		
Inhalation	Allow the victim to rest in a well ventilated area. Seek immediate medical attention.		
Hazardous Inhalation	Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation.		
Ingestion	DO NOT induce vomiting. Examine the lips and mouth to ascertain whether the tissues a damaged, a possible indication that the toxic material was ingested; the absence of such sign however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention		
Hazardous Ingestion	No additional information.		

Page Number: 2

	id Explosion Data			
Flammability of the Product	Combustible.			
Auto-Ignition Temperatur	e The lowest known value is 218°C (424.4°F) (Mineral Spirits).			
Flash Points	CLOSED CUP: 40.5°C (104.9°F). (Seteflash.).			
Flammable Limits	The greatest known range is LOWER: 1.1% UPPER: 6% (Mineral Spirits)			
Products of Combustion	These products are carbon oxides (CO, CO2), nitrogen oxides (NO, NO2)			
Fire Hazards in Presence o Various Substances	of Flammable in presence of open flames and sparks.			
Explosion Hazards in Presence of Various Substances	No danger known.			
Fire Fighting Media and Instructions	SMALL FIRE: Use DRY chemicals, CO2, water spray or foam. LARGE FIRE: Use water spray, fog or foam. DO NOT use water jet.			
Special Remarks on Fire Hazards	Combustible.			
Special Remarks on Explosion Hazards	No additional remark.			

Section 6. Acc	idental Release Measures
Small Spill	Mop up, or absorb with an inert DRY material and place in an appropriate waste disposal container.
Large Spilt	Combustible material. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7. I	landling and Storage
Handling	After handling, always wash hands thoroughly with soap and water.
Storage	Keep container dry. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.

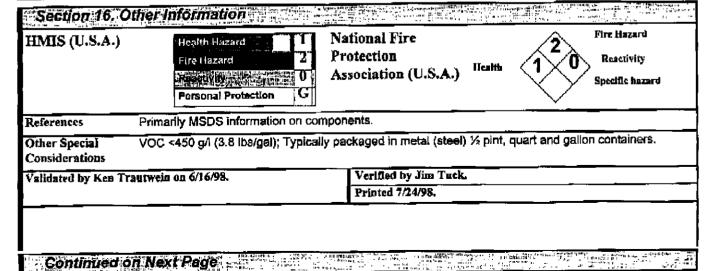
vapors be	Provide exhaust ventilation or other engineering controls to keep the airbome concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.		
(imperviou	Lab coat. Vapor respirator. Be sure to use a MSHA approved respirator or equivalent. Glove (impervious). Safety glasses.		
of a Large Spill apparatus	should be used to a	apor respirator. Boots. Gloves. A self contained breathing rold inhalation of the product. Suggested protective clothing might	
liór pe agu	cient; consuit a spec	italist BEFORE handling this product.	
Chemical Name or Product Name	CAS#	Exposure Limits	
	CAS# 084742478	Exposure Limits TWA: 100 (ppm) TWA: 50 (ppm) from OSHA TWA: 100 CEIL: 150 (ppm)	
Chemical Name or Product Name Mineral Spirits Light aromatic solvent naphtha (petroleum	CAS# 084742478 064742956	Exposure Limits TWA: 100 (ppm) TWA: 50 (ppm) from OSHA	

Physical state and appearance	Liquid.	Odor	Hydrocarbon.	
Molecular Weight	Not applicable.	Taste	Not available.	
pfi (1% soln/water)	Not evailable.	Color	Light straw.	
	Weighted average: 159.44*C (319°F)			
Metting/Sublimation Point		· · · · · · · · · · · · · · · · · · ·		
	Not available.			
Critical Temperature	Not available.			
Specific Gravity	0.92 (Water = 1)		<u></u>	
Vapor Pressure	Weighted average: 2.45 mm of Hg (@ 20°C)			
Vapor Density	The highest known value is 4.9 (Air = 1) (Mineral Spirits).			
Volatility	<60% (v/v).			
Odor Threshold	Not available.			
Evaporation rate	Not available.			
Viscosity	Not available.			
Water/Oil Dist. Coeff.	The product is more soluble in oil.			
Ionicity (in Water)	Not available.			
Dispersion Properties	Not available.			
Solubility	Soluble in mineral spirits.			
Physical Chemical Comments	Not available,			

Continued on Next Page

Varathane® Liqu Wood Finish®	uid Plastic Exterior Page Number: 5
Hazardous Substances Reportable Quantity	Not available.
Special Provisions for Transport	No additional remark.
TDG Classification	TDG CLASS 3: Flammable liquid.
ADR Classification	ADR CLASS: Flammable liquid D. Non-toxic and non-corrosive liquid with a flash point between 21°C (70°F) and 100°C (212°F).
IMDG Classification	IMDG CLASS 3; Flammable liquid.
IATA Classification	IATA CLASS 3: Flammable liquid.

Mr. Carlotte and C		Street from the control of the contr			
Section 15. Regi	ulatory Informatio	The state of the s			
Federal and State	SARA 302/304/31	1/312 extremely hazardous substances:			
Regulations	Product(s): (Benzo	otrtazol-(2h) yl-2)-2 di-tert-pentyi-4,6 phenol			
	SARA 311/312 MSDS distribution - chemical inventory - hazard identification: 3-iodo-2-propynyl butyl carbamate;				
	SARA 313 toxic chemical notification and release reporting:				
	Xylene; Diethylene Glycol Monomethyl Ether; Dipropylene glycol monomethyl ether; Glycol Ether; 3-iodo-2-propynyl butyl carbamate; Ethylbenzene;				
	CERCLA hazardo	us substances:			
	Dipropylene glycol monomethyl ether, Glycol Ether; 3-iodo-2-propynyl butyl carbamate;				
Other Classifications	WHMIS (Canada)	WHMIS CLASS B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F). WHMIS CLASS D-2B; Material causing other toxic effects (TOXIC).			
	Canadian Regulatory Lists	CEPA DSL:			
		Product(a): Mineral Spirits, Xylene			
	DSCL (EEC)	R11- Highly flammable.			
	International Regulatory Lists	No products were found.			



Section 10. Stability and Reactivity Data

The product is stable. Chemical Stability

Conditions of Instability No additional remark.

Incompatibility with

None known.

various substances

Not available. Hazardous Decomposition

Products

Hazardous Polymerization No.

Section 11. Toxicological Information

LD50: Not available. Toxicity to Animals

LC50: Not available.

Chronic Effects on Humans Not available.

Other Toxic Effects on

Hazardous in case of skin contact (irritant), of eye contact (irritant), of inhalation.

Slightly hazardous in case of ingestion.

Special Remarks on

Homans

Toxicity to Animals

No additional remark.

Special Remarks on Chronic Effects on Humans

No additional remark.

Special Remarks on other Toxic Effects on Humans

No additional remark.

Section 12 Ecological Information

Ecotoxicity

Not available.

BOD5 and COD

Not available.

Products of Biodegradation Possibly hazardous short term degradation products are not likely.

Toxicity of the Products

The products of degradation are less toxic than the product itself.

of Biodegradation

Special Remarks on the

Products of Biodegradation

No additional remark.

Section 13. Disposal Considerations

Waste information

Use product or recycle. Consult local or regional authorities.

Waste stream

Consult local or regional authorities.

Section 14 Transport Information

DOT Classification

DOT CLASS 3: Combustible liquid with a flash point greater than 37.8°C (100°F). Not regulated for highway travel: Considered flammable for air or ocean transport. UN1263

Not regulated for highway travel; Considered flammable for air or ocean transport. UN1253

Proper Shipping Name

Paint

DOT Identification

Number

Packing Group

Maritime transportation

Not available.

Comunued on Next Page

	Page Number: (
Varathane® Liquid Plastic Exterlor	rage number.
Wood Finish®	
mergency phone:	
10-255-3924	

For Information Call: 800-635-3286

Notice to Reader

To the test of our knowledge, the information contained berein is accurate. However, neither the above named supplier row any of its substitutes assumes any liability whetherwer for the mourate of completeness of the information contained herein. Final descriptions of withhilly of my material is the sole responsibility of the uses. All interials may present unknown inspects and should be used with vanious. Although certain but and several processes, we cannot guarantee that there are the only hexards that crist.